IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A method for etching a polysilicon gate structure in a plasma etch chamber, comprising:

defining a pattern protecting a polysilicon film to be etched;

striking a plasma;

etching substantially all of the polysilicon film that is unprotected;

introducing a silicon containing gas at a flow rate greater than 25 standard cubic centimeters per minute (sccm), wherein the silicon containing gas is selected from the group consisting of SiH₃CH₃, SiH(CH₃)₃, SiHCl₃, SiBr₄, and Tetraethyl orthosilicate (TEOS); and

etching a remainder of the polysilicon film while introducing a silicon containing gas.

Claims 2-3 canceled

- 4. (Currently Amended) The method of claim 1, wherein the silicon containing gas is one of SiF₄ and SiCl₄ further includes SiF₄.
- 5. (Original) The method of claim 1, wherein the method operation of etching substantially all of the polysilicon film that is unprotected includes,

executing a first etch to remove a hard mask; and executing a second etch to remove the polysilicon film that is unprotected.

6. (Original) The method of claim 1, wherein the method operation of etching a remainder of the polysilicon film while introducing a silicon containing gas includes,

preventing notching at a base of the polysilicon gate structure.

7. (Original) The method of claim 1, wherein the method operation of introducing a silicon containing gas includes,

terminating the etching of the polysilicon film that is unprotected; and striking an over etch plasma.

- 8. (Original) The method of claim 1, further comprising: forming a passivation layer from byproducts generated from the etching of the polysilicon film.
- 9. (Currently Amended) A method for decreasing etch rate micro-loading between differently doped material of a substrate, comprising:

striking a plasma in a chamber;

etching a <u>dual doped gate structure of</u> the substrate, wherein the <u>dual doped</u>
gate structure includes a n-doped polysilicon gate and a p-doped polysilicon gate;
forming a passivation layer from byproducts generated from the etching; and enhancing the passivation layer.

10. (Original) The method of claim 9, wherein the method operation of enhancing the passivation layer includes,

flowing a silicon containing gas into the chamber during the etching.

- 11. (Currently Amended) The method of claim 10, further comprising: flowing the silicon containing gas between a flow rate of about 0.1-25 standard cubic centimeters per minute (sccm) and 300 sccm.
- 12. (Currently Amended) The method of claim 10, wherein the silicon containing gas is selected from the group consisting of Si₂H₆, SiH₃CH₃, SiH(CH₃)₃, SiF₄, SiCl₄, SiHCl₃, SiH₂Cl₂, SiBr₄, and Tetraethyl orthosilicate (TEOS).
 - 13. (Canceled)
- 14. (Currently Amended) The method of claim 9 10, wherein the silicon containing gas is one of SiF₄ and SiCl₄ further includes SiF₄.

Claims 15-18 canceled

19. (Currently Amended) A method for enhancing a polysilicon to oxide selectivity during an etching process, comprising:

providing a substrate to be plasma etched in a chamber; striking a plasma in the chamber; and depositing a thin layer of a silicon containing oxide over a gate oxide as the substrate is being etched, while introducing oxygen into the chamber from a source external to the chamber.

20. (Original) The method of claim 19, further comprising:

flowing a silicon containing gas into the chamber while performing an over etch step of the etching process.

- 21. (Currently Amended) The method of claim 19, wherein the method operation of depositing a thin layer of a silicon containing oxide over a gate oxide as the substrate is being etched occurs during an over etch step of the etching process.
- 22. (Currently Amended) The method of claim 19, wherein the method operation of depositing a thin layer of a silicon containing oxide over a gate oxide as the substrate is being etched causes a polysilicon to oxide selectivity to increase so as to prevent any etching of the gate oxide.
- 23. (Currently Amended) The method of claim 20, wherein the silicon containing gas is selected from the group consisting of Si₂H₆, SiH₃CH₃, SiH(CH₃)₃, SiF₄, SiCl₄, SiHCl₃, SiH₂Cl₂, SiBr₄, and Tetraethyl orthosilicate (TEOS).
- 24. (Currently Amended) The method of claim 20 21, wherein the silicon containing gas is one of SiF₄ and SiCl₄ further includes SiF₄.

Claims 25-27 canceled

28. (Currently Amended) The method of claim 26 19, wherein the oxygen is the source is a gas selected from the group consisting of O₂, N₂O and CO₂.